IN THE CLAIMS

Please amend the claims as follows:

Claims 1-16 (Canceled)

17. (New) A method comprising:

adding legs to a transistor in a source layout to create a re-legged layout that violates design rules; and

performing compaction to modify the re-legged layout to comply with the design rules.

- 18. (New) The method of claim 17 wherein adding legs to a transistor comprises forming a plurality of slots in a gate of the transistor.
- 19. (New) The method of claim 18 further comprising expanding the gate of the transistor prior to forming the plurality of slots.
- 20. (New) The method of claim 18 further comprising placing contact seeds in areas uncovered by the plurality of slots.
- 21. (New) The method of claim 17 further comprising determining a number of legs to add to the transistor according to:

$$N_{_{new}} = \max\{N_{old}, \lceil (W_{old} \times f) / W_{_{m}} \rceil\}$$

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Assignee: Intel Corporation

 $N_{\it new}$ - New number of legs.

 W_{old} - Device width before resizing.

 $N_{\it old}$ - Old number of legs.

f - Upsize factor

 W_m - Maximal leg size in new layout.

22. (New) The method of claim 21 wherein determining a number of legs further comprises correcting the number of legs to add an even number of legs according to:

$$N_{\textit{new(corrected)}} = N_{\textit{old}} + \left\lfloor (N_{\textit{new}} - N_{\textit{old}} + 1) / 2 \right\rfloor \times 2$$

- 23. (New) The method of claim 17 wherein adding legs to a transistor in a source layout comprises adding legs to a transistor in a hard intellectual property (IP) layout source design.
- 24. (New) The method of claim 17 further comprising adding jogs to the source layout.
- 25. (New) A method to add legs to a transistor in a source layout comprising:
 inserting a plurality of slots into the layout upon a gate area of the transistor;
 mathematically subtracting area of the plurality of slots from a poly layer without regard to satisfying design rules; and

placing contact seeds in diffusion areas uncovered by the subtracting, wherein the contact seeds are placed without regard to satisfying the design rules.

- 26. (New) The method of claim 25 further comprising running an automated design tool on the source layout to modify dimensions of the transistor to satisfy the design rules.
- 27. (New) The method of claim 26 wherein running an automated design tool on the source layout comprises running a compaction tool.
- 28. (New) The method of claim 25 further comprising enlarging the gate area of the transistor prior to inserting a plurality of slots into the source layout.
- 29. (New) The method of claim 25 further comprising determining a number of legs to add to the transistor according to:

$$N_{\text{new}} = \max\{N_{\text{old}}, \lceil (W_{\text{old}} \times f) / W_{\text{m}} \rceil\}$$

 $N_{\it new}$ - New number of legs.

 W_{old} - Device width before resizing.

 $N_{\it old}$ - Old number of legs.

f - Upsize factor

 W_m - Maximal leg size in new layout.

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30. (New) The method of claim 29 wherein determining a number of legs further comprises correcting the number of legs to add an even number of legs according to:

$$N_{\textit{new(corrected)}} = N_{\textit{old}} + \left\lfloor (N_{\textit{new}} - N_{\textit{old}} + 1) / 2 \right\rfloor \times 2$$

- 31. (New) The method of claim 25 wherein adding legs to a transistor in a source layout comprises adding legs to a transistor in a hard intellectual property (IP) layout source design.
- 32. (New) The method of claim 25 further comprising adding jogs to the source layout.
- 33. (New) A machine-readable medium containing instructions, which when executed, cause the following to be performed:

inserting a plurality of slots into a source layout upon a gate area of a transistor;

mathematically subtracting area of the plurality of slots from a poly layer without regard to satisfying design rules; and

placing contact seeds in diffusion areas uncovered by the subtracting, wherein the contact seeds are placed without regard to satisfying the design rules.

34. (New) The machine-readable medium of claim 33 wherein the instructions, when executed, further cause a compaction tool to run on the source layout to modify dimensions of the transistor to satisfy the design rules.

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(New) The machine-readable medium of claim 34 wherein the instructions, when 35. executed further cause determining a number of legs to add to the transistor according to:

$$N_{_{new}} = \max\{N_{old}, \lceil (W_{old} \times f)/W_{_{m}} \rceil\}$$

 N_{new} - New number of legs.

W_{old} - Device width before resizing.

 $N_{\it old}$ - Old number of legs.

f - Upsize factor

 W_m - Maximal leg size in new layout.

(New) The machine-readable medium of claim 35 wherein determining a number 36. of legs further comprises correcting the number of legs to add an even number of legs according to:

$$N_{\textit{new(corrected)}} = N_{\textit{old}} + \left\lfloor (N_{\textit{new}} - N_{\textit{old}} + 1)/2 \right\rfloor \times 2$$